

Melting of sodium hydroxide dihydrate

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SO Jpn. Kokai Tokkyo Koho, 5 pp.
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AB Aq. NaOH contg. impurities is cooled, the crystd.-out NaOH.2H₂O is sepd., melted with addn. of H₂O to contain .ltoreq.46.5% NaOH, and the soln. is indirectly heat-exchanged with compressed cooling gas. Thus, NaOH.2H₂O 85 kg and H₂O 4.5 L/h were fed into the stirred 49.2% NaOH soln. in 1 m depth at 15.degree. (warmed by a jacket with water at 50.degree.) to obtain 49.2% NaOH continuously, vs. 51.8% with NaOH.H₂O crystals below 22.degree. without H₂O addn.